

Ordering Information

Family	Lamps	Reflectors	Wattage	Color and Trim	Voltage
PB	4				
PB	4 = Four T4.5 Metal Halide Lamps	T4SP = 10° Spot T4NF = 25° Narrow Flood T4FL = 40° Flood	20 = 20W 39 = 39W 70 = 70W	BL = Black with white flange WL = White with white flange BTL = Black Trimless WTL = White Trimless	1 = 120V 2 = 277V

Features

- Aperture Frame:** Provides clean support for lamp holders and overlapping flange or trimless installation. Extruded aluminum. Rigidly welded together on all corners.
- Media Cartridge:** Allows convenient loading and removal of one accessory. Easily installed and removed for lamping with a simple twisting motion. Constructed of die-formed aluminum.
- Lockable Adjustment Ring:** Allows 40° lengthwise and 30° widthwise adjustment. Locks the lampholder in place to prevent inadvertent realignment during relamping.
- Tortonite Spring:** For easy installation of aperture frame.
- Housing:** Die-Formed 22ga. steel. Finish: Black.
- Mounting Brackets:** Adjustable vertically from outside of housing
- Thermal Protector:** Meets NEC, UL and CSA requirements.
- Lampholder:** Porcelain medium based; nickel plated screw shell. Prewired with #18 SF-1 leads to junction box.
- Junction Box:** 14 ga. steel, 4" x 3 1/2" x 3" box. Allows inspection from below.
- Safety Lens:** Tempered 1/8" glass. Meets or exceeds U.L. safety requirement for metal halide lamps.
- Reflector (not shown):** Interchangeable reflectors available to allow for desired precise beam spread without the need of additional lenses. See MHT4R S/NF/F specification sheets.

Finish

All painted finishes are powder coated baked enamel.

Electrical

Lamping: Ceramic T4.5 Metal Halide. Single ended, G 8.5 base. (By others)
Electronic Ballast: Individual for each lamp. High Power Factor.
Input Watts: 78, line current: .67 amps. Accessible from below. UL listed for through branch circuit wiring with maximum of (8) no. 12 AWG 90°C.

Mounting

Fixtures 5' on center, 1/2" to overhead, 2-1/2' to side building member.

Label

UL/cUL (Suitable for Damp Location), I.B.E.W.

U.S. Patent Pending

Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

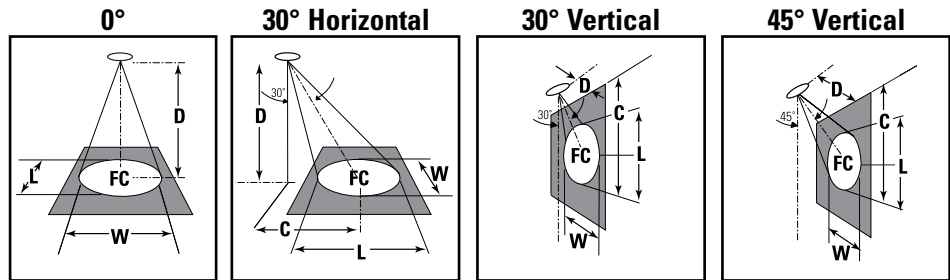
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AIMING ANGLE:




L Beam length
W Beam Width
C Distance to center beam
D Distance
A Aiming Angle
FC Footcandles

L and **W** are the outer points where the candle power drops to 50% of the maximum. **FC** are the initial footcandles at the center of the beam.




Lamp data shown is typical. Consult lamp manufacturers for availability and performance.






10° Spot — MHT4RS:

	Beam Spread (To 50% CBCP)	CBCP	Rated Life (Hrs.)	D	FC	L	W	D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	W
20W T4 CMH		22,347	7,500 to 9,000	10'	223	1.6'	1.6'	8'	4.6'	227	1.7'	1.5'	6'	10.4'	78	3.8'	1.9'	5'	5.0'	316	1.6'	1.1'
				15'	99	2.4'	2.4'	12'	6.9'	101	2.5'	2.2'	9'	15.6'	34	5.8'	2.8'	7'	7.0'	161	2.2'	1.6'
				20'	56	3.1'	3.1'	16'	9.2'	57	3.4'	2.9'	12'	20.8'	19	7.7'	3.8'	9'	9.0'	98	2.9'	2.0'
				25'	38	3.9'	3.9'	20'	11.5'	36	4.2'	3.6'	15'	26.0'	12	9.8'	4.7'	11'	11.0'	65	3.5'	2.4'
39W T4 CMH		36,169	9,000 to 10,000	10'	362	1.9'	1.8'	8'	4.6'	367	2.1'	1.8'	6'	10.4'	128	4.8'	2.3'	5'	5.0'	512	1.8'	1.4'
				15'	161	2.9'	2.8'	12'	6.9'	163	3.1'	2.7'	9'	15.6'	56	7.1'	3.5'	7'	7.0'	261	2.7'	1.9'
				20'	90	3.9'	3.8'	16'	9.2'	92	4.1'	3.6'	12'	20.8'	31	9.5'	4.6'	9'	9.0'	158	3.5'	2.5'
				25'	58	4.8'	4.8'	20'	11.5'	58	5.2'	4.4'	15'	26.0'	20	11.9'	5.6'	11'	11.0'	106	4.3'	3.0'
70W T4 CMH		53,205	6,000 to 9,000	15'	236	3.4'	3.4'	10'	5.8'	346	3.1'	2.6'	5'	8.7'	266	4.7'	2.3'	8'	8.0'	294	3.7'	2.6'
				20'	133	4.6'	4.5'	15'	8.7'	154	4.6'	3.9'	8'	13.9'	104	7.6'	3.6'	12'	12.0'	131	5.5'	3.9'
				25'	85	5.7'	5.7'	20'	11.5'	86	6.1'	5.3'	11'	19.1'	55	10.4'	5.0'	16'	16.0'	73	7.4'	5.2'
				30'	59	6.8'	6.8'	25'	14.4'	55	7.6'	6.6'	14'	24.2'	34	13.3'	6.4'	20'	20.0'	47	9.2'	6.4'

25° Narrow Flood — MHT4RNF:

	Beam Spread (To 50% CBCP)	CBCP	Rated Life (Hrs.)	D	FC	L	W	D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	W
20W T4 CMH		8,959	7,500 to 9,000	6'	248	1.9'	1.9'	6'	3.5'	162	2.6'	2.2'	3'	5.2'	124	4.1'	1.9'	3'	3.0'	352	1.9'	1.3'
				8'	140	2.5'	2.5'	8'	4.6'	91	3.4'	2.9'	4'	6.9'	70	5.5'	2.5'	4'	4.0'	198	2.6'	1.8'
				10'	90	3.2'	3.2'	10'	5.8'	58	4.3'	3.7'	5'	8.7'	45	6.9'	3.2'	5'	5.0'	127	3.2'	2.2'
				12'	62	3.8'	3.8'	12'	6.9'	40	5.1'	4.4'	6'	10.4'	31	8.2'	3.8'	6'	6.0'	88	3.9'	2.7'
39W T4 CMH		14,208	9,000 to 10,000	6'	395	2.2'	2.2'	6'	3.5'	256	3.0'	2.6'	3'	5.2'	197	5.0'	2.2'	3'	3.0'	558	2.3'	1.6'
				8'	222	3.0'	3.0'	8'	4.6'	144	4.0'	3.4'	4'	6.9'	111	6.6'	3.0'	4'	4.0'	314	3.1'	2.1'
				10'	142	3.7'	3.7'	10'	5.8'	92	5.0'	4.3'	5'	8.7'	71	8.3'	3.7'	5'	5.0'	201	3.8'	2.6'
				12'	99	4.4'	4.4'	12'	6.9'	64	6.0'	5.1'	6'	10.4'	49	9.9'	4.4'	6'	6.0'	140	4.6'	3.1'
70W T4 CMH		22,703	6,000 to 9,000	6'	631	2.4'	2.4'	6'	3.5'	410	3.3'	2.8'	3'	5.2'	315	5.6'	2.4'	3'	3.0'	802	2.5'	1.7'
				8'	355	3.3'	3.3'	8'	4.6'	230	4.4'	3.8'	4'	6.9'	177	7.4'	3.3'	4'	4.0'	502	3.4'	2.3'
				10'	227	4.1'	4.1'	10'	5.8'	147	5.5'	4.7'	5'	8.7'	114	9.3'	4.1'	5'	5.0'	321	4.2'	2.9'
				12'	158	4.9'	4.9'	12'	6.9'	102	6.6'	5.6'	6'	10.4'	79	11.2'	4.9'	6'	6.0'	223	5.1'	3.5'

40° Flood — MHT4RF:

	Beam Spread (To 50% CBCP)	CBCP	Rated Life (Hrs.)	D	FC	L	W	D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	W
20W T4 CMH		2,356	7,500 to 9,000	6'	65	3.9'	3.9'	6'	3.5'	43	5.4'	4.5'	2'	3.5'	74	7.6'	2.6'	3'	3.0'	93	4.4'	2.8'
				8'	37	5.2'	5.2'	8'	4.6'	24	7.2'	6.0'	3'	5.2'	33	11.4'	3.9'	4'	4.0'	52	5.8'	3.7'
				10'	24	6.5'	6.5'	10'	5.8'	15	9.0'	7.5'	4'	6.9'	18	15.2'	5.2'	5'	5.0'	33	7.3'	4.6'
				12'	16	7.8'	7.8'	12'	6.9'	11	10.8'	9.0'	5'	8.7'	12	19.0'	6.5'	6'	6.0'	23	8.7'	5.5'
39W T4 CMH		3,877	9,000 to 10,000	6'	108	4.4'	4.4'	6'	3.5'	70	6.1'	5.0'	2'	3.5'	121	9.7'	2.9'	3'	3.0'	152	5.0'	3.1'
				8'	61	5.8'	5.8'	8'	4.6'	39	8.1'	6.7'	3'	5.2'	54	14.5'	4.4'	4'	4.0'	86	6.7'	4.1'
				10'	39	7.3'	7.3'	10'	5.8'	25	10.2'	8.4'	4'	6.9'	30	19.3'	5.8'	5'	5.0'	55	8.4'	5.1'
				12'	27	8.7'	8.7'	12'	6.9'	17	12.2'	10.1'	5'	8.7'	19	24.2'	7.3'	6'	6.0'	38	10.1'	6.2'
70W T4 CMH		6,514	6,000 to 9,000	6'	181	4.6'	4.6'	6'	3.5'	118	6.5'	5.3'	2'	3.5'	204	11.0'	3.1'	3'	3.0'	256	5.4'	3.3'
				8'	102	6.1'	6.1'	8'	4.6'	66	8.6'	7.1'	3'	5.2'	90	16.5'	4.6'	4'	4.0'	144	7.2'	4.3'
				10'	65	7.7'	7.7'	10'	5.8'	42	10.8'	8.9'	4'	6.9'	51	22.0'	6.1'	5'	5.0'	92	9.0'	5.4'
				12'	45	9.2'	9.2'	12'	6.9'	29	12.9'	10.6'	5'	8.7'	33	27.5'	7.7'	6'	6.0'	64	10.8'	6.5'

Job Information

Type:

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